



Product Change Notification

Document #: PCN-450045
Change Title: Cortina Systems® WPIXF1104BE 4-Port 10/100/1000 Mbps Ethernet Media Access Controller, Design Change, PCN-450045, FFF
Revision Date: 02 December 2011

Type of Change Notification:

FFF (Form, Fit, Function)

Key Characteristics of the Change:

Package design being changed from DLA (Direct Lid Attach) to OPL (One Piece Lid).

Forecasted Key Milestones:

Date Customer Must be Ready to Receive Post-Conversion Material:	02 March 2012
Date of Samples Availability:	Available Now
Date of Qualification Data Availability:	Available Now

Description of Change to the Customer:

As part of Continuous Improvement of manufacturing process control, Cortina Systems, Inc. is changing the design of the WPIXF1104BE from DLA (Direct Lid Attach) to OPL (One Piece Lid). Please see the reference table below for the before and after changes to this product. All product reliability testing and characterization have been completed.

The "Date Customer Must be Ready to Receive Post-Conversion Material" is the projected date that a customer may expect to receive the Post-Conversion Materials. This date is determined by the projected depletion of inventory at the time of the PCN publication. The depletion of inventory may be impacted by fluctuating supply and demand; therefore, the date of expected shipment of post conversion material is an estimate and may vary. Cortina Systems will continue to ship and customers may continue to receive the pre-converted material until inventory has been depleted.

Customer Impact of Change and Recommended Action:

Cortina Systems has taken care to ensure there are minimal changes to the device dimensions. The reference tables below show the minor differences before and after the change. Depending on your equipment, some customers may find it necessary to adjust the physical settings on pick and place machines or similar. Customers may want to qualify the new BGA substrate package on their systems and be prepared to begin receiving revised devices per the forecasted key milestones above.

Reference Table for WPIXF1104BE.B1-993991

Dimension	Before Change	After Change
Package thickness	3.579 mm (max)/ 2.788 mm (min)	4.042 mm (max)/ 3.327 mm (min)
MM #	993991	900204
Package marking/labeling	Product marking above pin 1	Same with smaller font size
BGA Ball diameter	0.60 ± 0.10 mm	No change
Assembly Site	IBM	No change
COO (No change)	Canada	No change
BGA ball height	0.5 ±0.1 mm	No change
BGA ball alloy	Sn3.0Ag0.5Cu	No change
Package size (x, y)	25 mm x 25 mm	No change
Silicon Foundry	IBM	No change
Pin 1 marking location	Bottom left corner relative to marking	No change

Product Marking Layout Examples:

Before:
DLA (Direct Lid Attach)



After:
OPL (One Piece Lid)



Products Affected / Cortina Systems Ordering Codes:

Affected Product	Post-Affected Product Code	Media Type
WPIXF1104BE.B1-993991	WPIXF1104BE.B1-900204	TRAY

Revision History:

Initial Release: 02 December 2011

Cortina Systems, Inc.

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